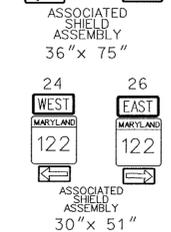


**CONSTRUCTION DETAILS**

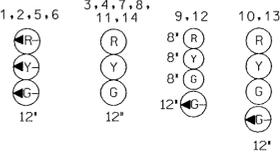
- A. Install NEMA size "6" base mounted cabinet and controller with all necessary equipment as shown, (Note: 2-2" and 2-4" (schedule 80) 90° PVC bends).
- B. Install handhole.
- C. Install 6' x 6' loop detector encased in flexible tubing (4 turns).
- D. Install 1" liquid tight non-metallic flexible conduit for detector sleeve.
- E. Install 1" galvanized steel electrical conduit for detector sleeve.
- F. Install 3" schedule 80 rigid PVC electrical conduit - trenched.
- G. Install 4" schedule 80 rigid PVC electrical conduit - trenched for service.
- H. Install 4" schedule 80 rigid PVC electrical conduit - trenched.
- J. Install 4" schedule 80 rigid PVC electrical conduit - bored.
- K. Install 6' x 30' loop detector encased in flexible tubing (quadropole 3-6-3).
- L. Install microloop probe set with 500' lead-in.
- M. Install 24" white heat applied thermoplastic pavement marking (stop line).
- N. Install 27' steel pole with 60' mast arm and signal heads, sign as shown, (Note: 1-3" 90° PVC bend).
- O. Install 27' steel pole with 50' mast arm, signal heads and sign as shown, (Note: 1-3" 90° PVC bend).
- P. Install 27' steel pole with 70' mast arm, signal heads and sign as shown, (Note: 1-3" 90° PVC bend).
- Q. Use existing handhole, rewire existing loop wire to new aluminum shield.
- R. Use existing steel pole, install new conduit and rewire existing loop wire to new aluminum shield.
- S. Use existing conduit.
- T. Remove existing and controller cabinet and all attached equipment. (Foundation shall be removed 12" below grade).
- U. Remove existing steel pole and all attached equipment. (Foundation shall be removed 12" below grade).
- V. Remove existing sidewalk or monolithic median concrete and replace after the installation of the proposed signal equipment.

MD 122 IS ASSUMED TO RUN IN A EAST-WEST DIRECTION

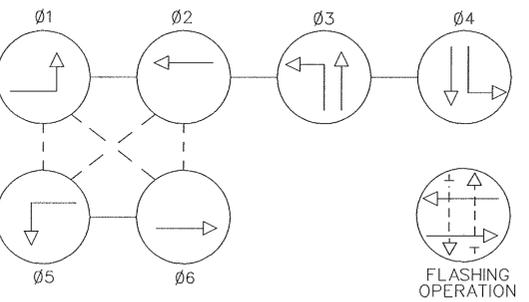
**PROPOSED SIGNS**



**PROPOSED SIGNALS**

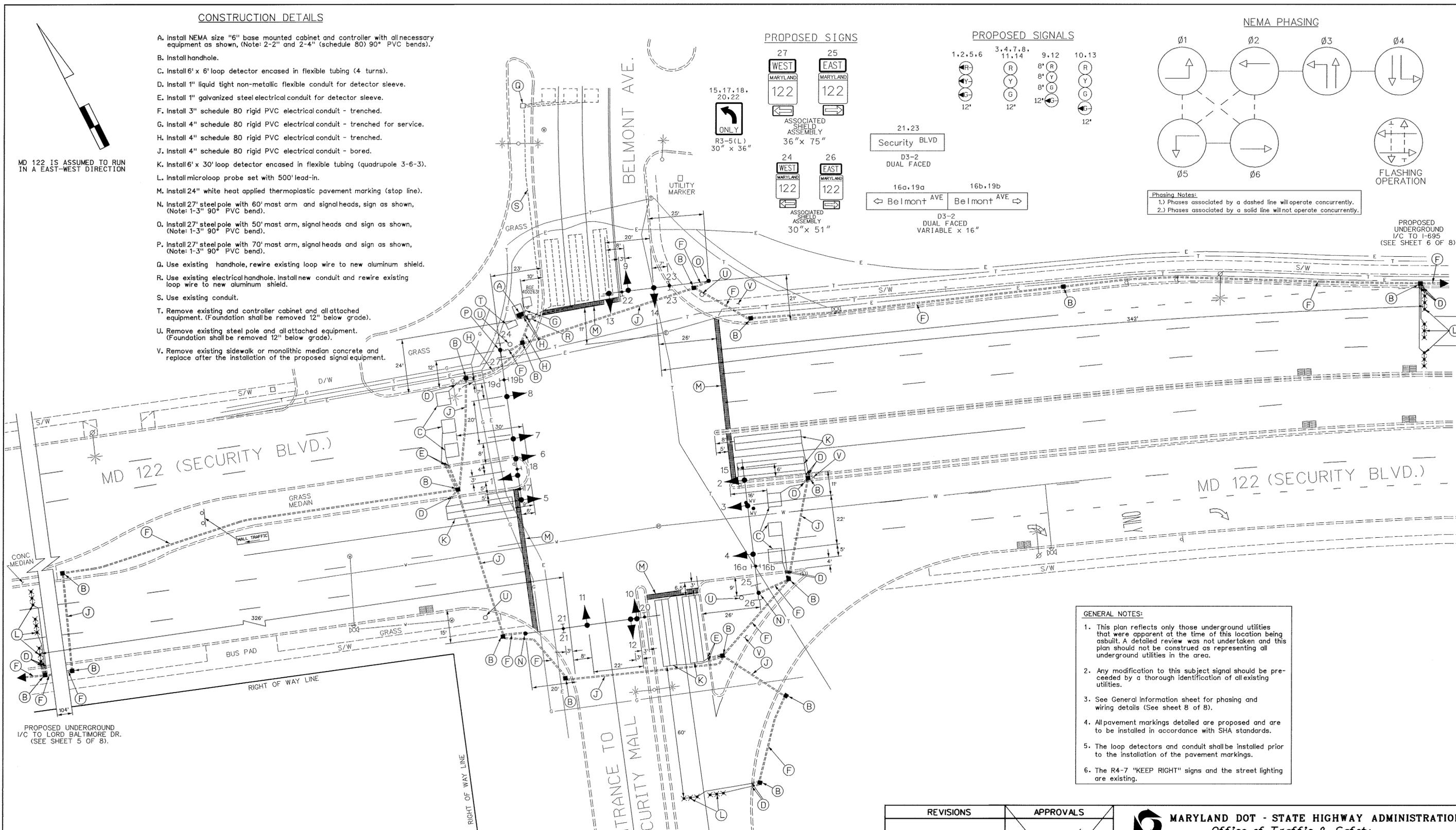


**NEMA PHASING**



**Phasing Notes:**  
 1.) Phases associated by a dashed line will operate concurrently.  
 2.) Phases associated by a solid line will not operate concurrently.

PROPOSED UNDERGROUND I/C TO I-695 (SEE SHEET 6 OF 8).



- GENERAL NOTES:**
- This plan reflects only those underground utilities that were apparent at the time of this location being asbuilt. A detailed review was not undertaken and this plan should not be construed as representing all underground utilities in the area.
  - Any modification to this subject signal should be preceded by a thorough identification of all existing utilities.
  - See General Information sheet for phasing and wiring details (See sheet 8 of 8).
  - All pavement markings detailed are proposed and are to be installed in accordance with SHA standards.
  - The loop detectors and conduit shall be installed prior to the installation of the pavement markings.
  - The R4-7 "KEEP RIGHT" signs and the street lighting are existing.

**GEOMETRIC LEGEND**

PROPOSED \_\_\_\_\_  
 EXISTING \_\_\_\_\_

**LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES**

AERIAL CABLE	A	A
ELECTRIC	E	E
TELEPHONE	T	T
GAS	G	G
SEWER	S	S
WATER	W	W
CABLE TV	TV	TV

REVISION "B"

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	ASST. DISTRICT ENGINEER, TRAFFIC
	CHIEF TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, TRAFFIC & SAFETY

**MARYLAND DOT - STATE HIGHWAY ADMINISTRATION**  
 Office of Traffic & Safety  
**TRAFFIC ENGINEERING DESIGN DIVISION**  
 MD 122 AND BELMONT AVE./  
 ENT. TO SECURITY MALL

DRAWN BY: S.T.S.	F.A.P. NO.	TS NO.	SHEET NO. 3 of 8
CHECKED BY:	S.H.A. NO. BALGAST/BS	3457B	
SCALE: 1" = 20'	COUNTY: BALTIMORE	T.L.M.S. NO. D670	
DATE: 3/4/2000	LOG MILE: 03012200.27		